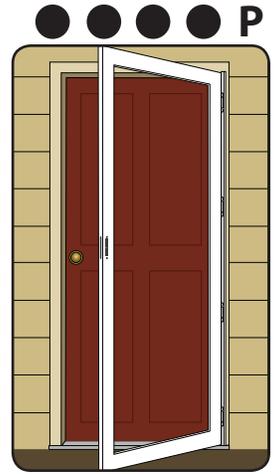


Installation Guide

for Andersen® 1-1/2" Fullview Storm Doors with Standard and Insulating Glass Panels



Please Do Not Return Product to Store!

PLEASE call the storm door Solution Center at 1-800-933-3626, with any questions regarding installation, lost part replacement, or anything else related to your storm door purchase.

Read this entire guide before you begin your installation. If your abilities do not match the requirements of this installation, contact an experienced contractor.

PARTS OVERVIEW

Your installation kit should contain the following parts. However, in some door models, not all of the parts will be used.

- A** Rain Cap
- B** Door Frame
- C** Glass Panel
- D** Hinge Rail with 4 hinges
(Hinge Side Z-bar)
- E** Latch Rail
(Handle Side Z-bar)
- F** Sweep
- G** Side Screw Covers (2)
- H** Top Screw Cover (1)
- I** Hinge Rail Shim

Not Shown

- J** Insect Screen
- K** Preload Clip
- L** Installation Kit
(Green & Yellow Parts
Bags Inside)
- M** Handle Set Kit
- N** Sweep Fin (x2)
- O** Hardware Bag (Pink)

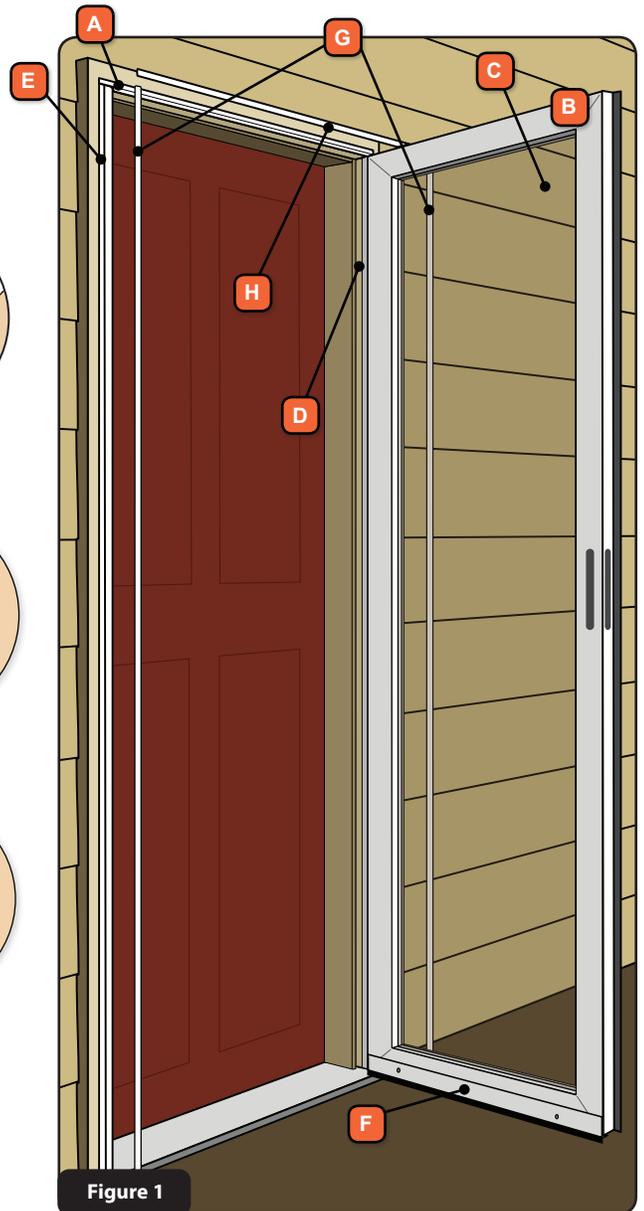
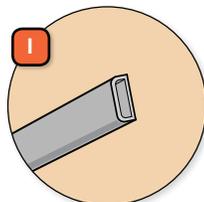
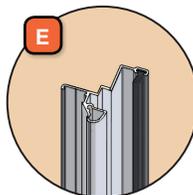
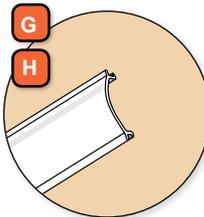
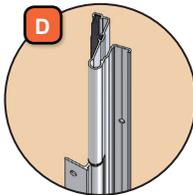
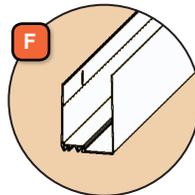
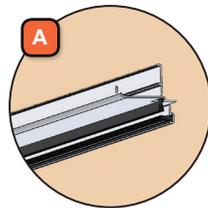


Figure 1

SAFETY FIRST: Please read and follow all Cautions and Warnings in this guide.

WARNING

Entry door hardware and handle may become hot when exposed to sunlight.

WARNING

Improper use of hand or power tools could result in injury and/or product damage. Follow equipment manufacturer's instructions for safe operation. Always wear safety glasses.

WARNING

Metal fasteners and other hardware components may corrode when exposed to preservative treated and fire-retardant treated lumber. Obtain and use the appropriate size stainless steel fasteners and hardware as called out by the installation guide to fasten unit to any rough opening made from pressure treated and fire-retardant treated lumber. Failure to use the appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

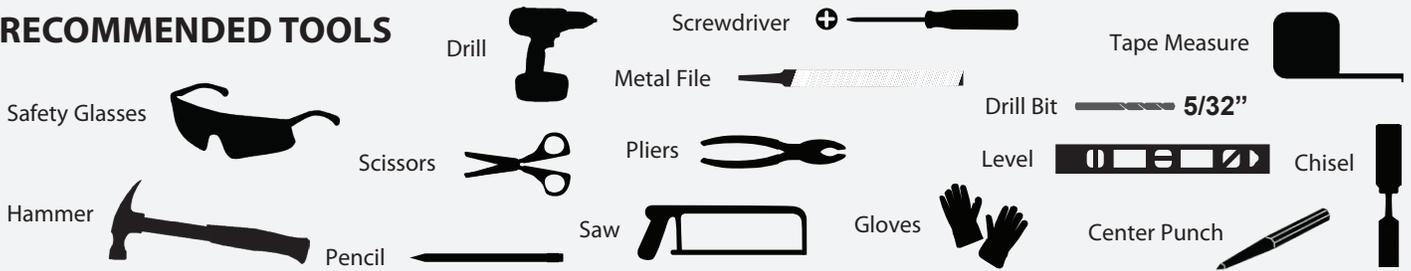
WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry, and install window and door products to avoid injury and/or property damage.

WARNING

The insect screen is intended for reasonable insect control and not the retention of objects or persons within the interior. The insect screen material will not stop a person from falling through the door.

RECOMMENDED TOOLS



1 VERIFY MOUNTING REQUIREMENTS

Verify that the exterior brick mold, trim board or casing is firmly attached to the opening. The storm door will sag over time if the mounting surface is not sufficiently fastened to the entryway.

To install the storm door, you must verify that the opening width, height and mounting surface are sufficient.

1. Measure the width at the top, middle, and bottom of the opening (Figure 2). Measure from the inside of the brick mold or exterior trim. Refer to Table 1.
2. Measure the height at the center of the opening. Measure from the inside of the brick mold or exterior trim, down to the top of the bottom sill. Refer to Table 1.

Table 1:
Use this table to determine if your storm door will fit into the opening:

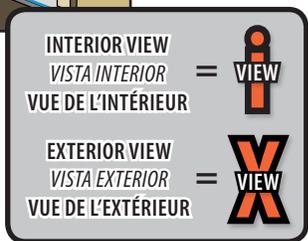
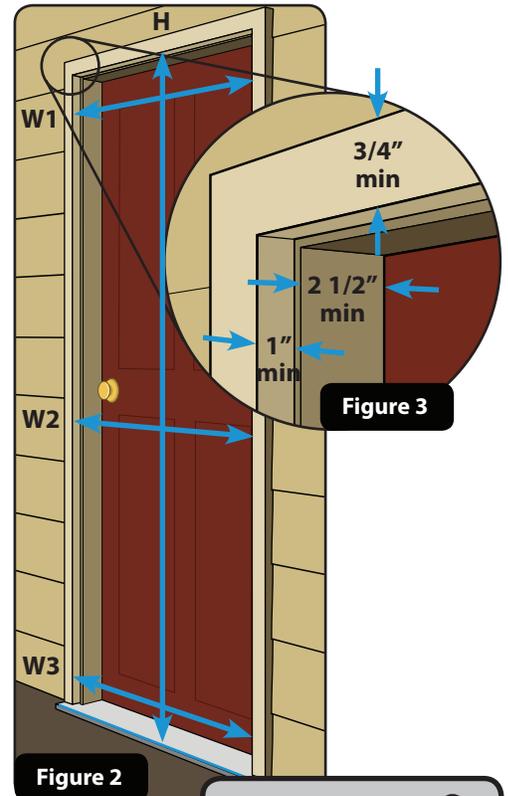
Nominal Storm Door Sizes **	Opening Sizes	
	W 1 - 3 (width) *	H (height)
36" x 80"	35 3/4" TO 36 3/8"	80" TO 81"
34" x 80"	33 3/4" TO 34 3/8"	
32" x 80"	31 3/4" TO 32 3/8"	
30" x 80"	29 3/4" TO 30 3/8"	

3. Make sure that the brick mold or exterior trim meets the mounting surface requirements to install the rain cap, hinge rail and latch rail (Figure 3). You must have a minimum of:

- 1" mounting surface depth. *
- 3/4" mounting surface front. *
- 2 1/2" handle clearance

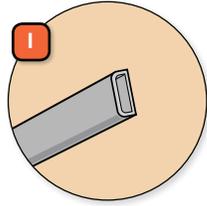
* For opening widths up to 1" wider, please call our Solution Center at 1-800-933-3626 to purchase a special kit to accommodate your situation.

** Nominal storm doors sizes are listed. The actual storm door frame width and height will be less. Example: A nominal size of 36" x 80" may have an actual storm door frame size of 35 1/8" x 79 1/8".

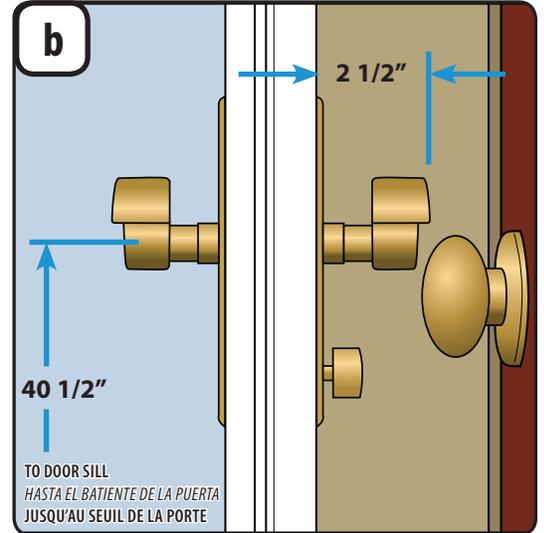
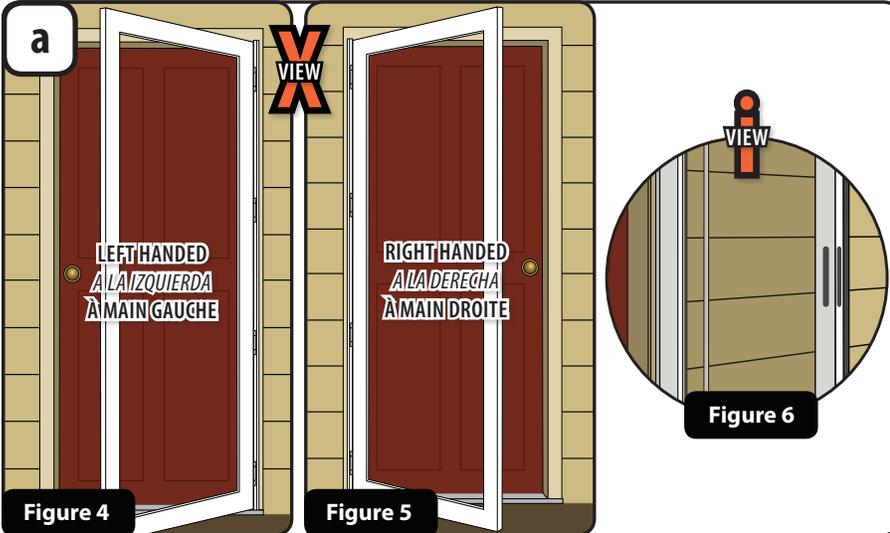


2

INSTALLATION PREPARATION



Tools needed:



- In this step, you will confirm that your storm door hinges on the correct side.
1. Left Handed (Figure 4): From the exterior, a left handed storm door will have the handle on the left side of the storm door.
 2. Right Handed (Figure 5): From the exterior, a right handed storm door will have the handle on the right side of the storm door.
 3. The interior is the side the insect screen or glass panel is installed (Figure 6).

1. Most homeowners prefer to have the storm door handle on the same side as the entry door handle. In shallow door openings, this can cause the two handles to interfere. Check for potential interference using the rough measurements. If you anticipate that there will be interference, purchase a storm door that is hinged on the opposite side of your entry door. See page 2, Figure 3 for detailed hardware depth requirements.

C Determine if Hinge Rail Shim is needed

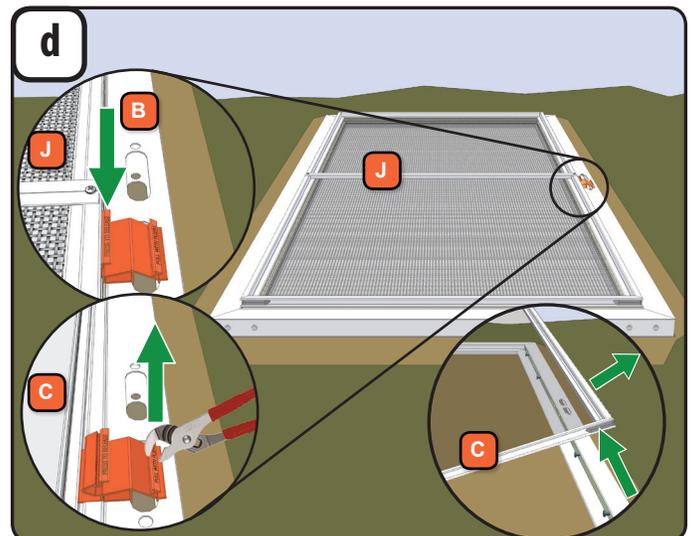
Nominal Storm Door Sizes	Shim needed if opening width is:
36" x 80"	36 1/8" TO 36 3/8"
34" x 80"	34 1/8" TO 34 3/8"
32" x 80"	32 1/8" TO 32 3/8"
30" x 80"	30 1/8" TO 30 3/8"

IF REQUIRED
SI FUERA NECESARIO
SI NÉCESSAIRE

1/4"

Tape [red box] x 4

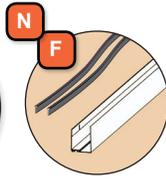
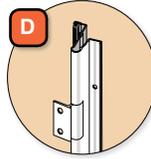
1. Use the table above to determine if you need to use the provided hinge rail shim (I).
2. If your opening width falls within the dimensions listed, you will need to install the shim. If your opening width does not fall within these dimensions, proceed to **step 3**.
3. Remove any debris from the mounting surface where the hinge rail shim will be attached.
4. Apply the four strips of double stick tape in the pink bag, spacing them evenly along the entire length. Attach the shim to the mounting surface, as shown.



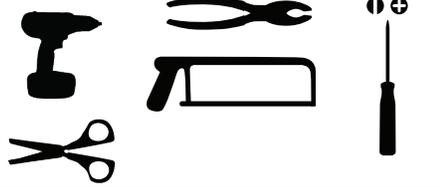
1. Lay the door flat on a protected surface with the exterior side down. **TIP:** Lay on door carton.
2. Remove insect screen (J) by pressing down on the shipping clip to release insect screen. Remove the shipping clip using a pair of pliers. Grasp shipping clip and pull out of door frame. Properly dispose of shipping clip.
3. To remove the glass panel (C), first reach under the side of the door frame near the handle holes and gently push up on glass panel until you are able to firmly grasp onto it.
4. While maintaining a firm grip on glass panel, gently lay door frame back down. Pull glass panel away from opposite side of door frame and then lift it out of door frame and set aside.
5. Stand glass panel on its edge to prevent damage.

3

PREPARE STORM DOOR FOR INSTALLATION (Left Hand)



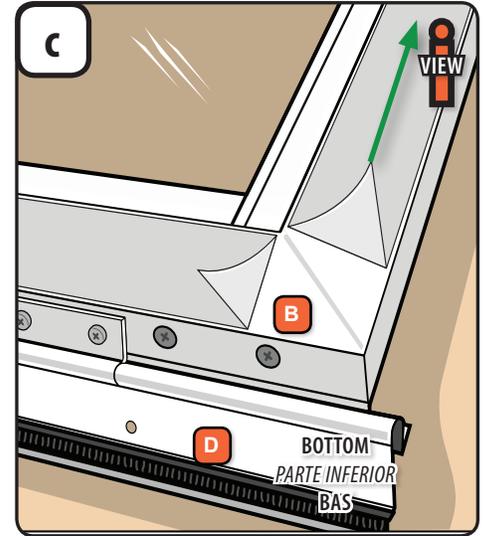
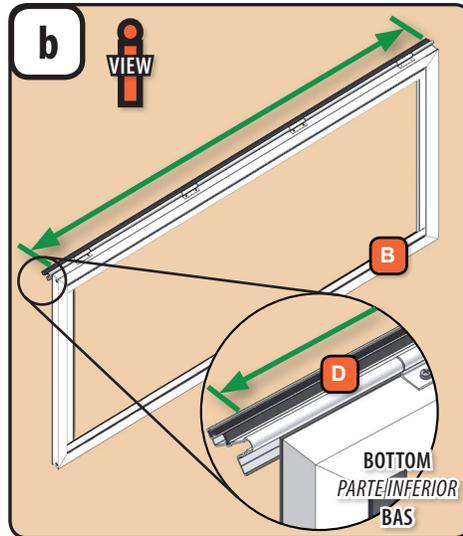
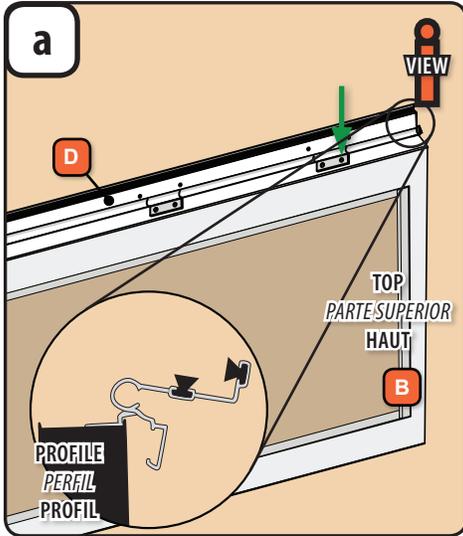
Tools needed:



O

PINK BAG // BOLSA ROSA /
SAC ROSE

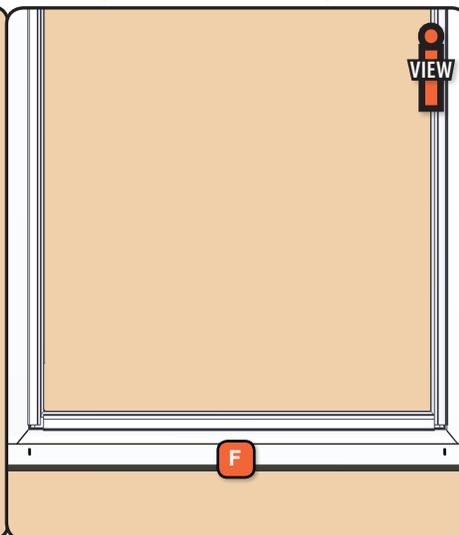
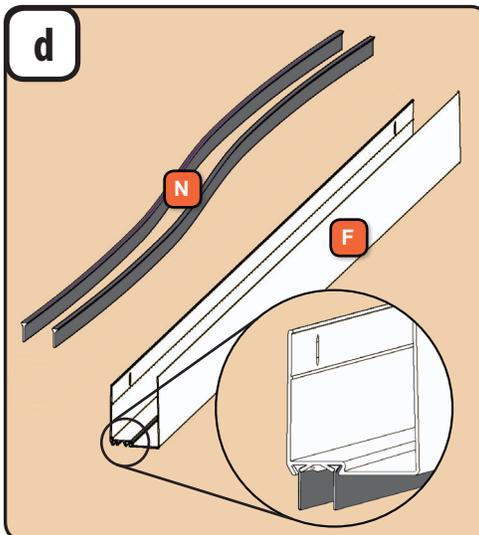
1/2"  x 8



1. Identify the top of the hinge rail (D).
2. Position the hinge rail along the hinge-side edge of the door frame so the top hole in the top hinge leaf lines up with the hole that has been predrilled into the edge of the door frame (B). **NOTE:** The top of the hinge rail should extend approximately 1/8" beyond the top of the door frame.
3. Attach all four hinge leaves to the door frame using unpainted 1/2" screws from the pink bag.

1. Measure the height of the door opening on the hinge side, measuring from the underside of the top door trim to the door sill and subtract 1/8" to account for installation of the rain cap after the hinge rail is installed onto mounting surface.
2. Measure the hinge rail, starting at the top and then marking the bottom with the measurement from door opening minus an 1/8".
3. Using a hacksaw, cut the hinge z-bar to length.

1. If applicable, remove the clear protective film from the entire interior and exterior bottom of the door frame and properly discard. Peel up the first few inches from both sides at the bottom.

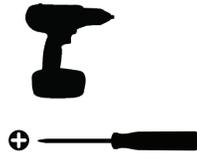


1. Slide the sweep fins (N) into the tracks located on the bottom of the door sweep (F).
2. Using scissors, trim any excess sweep fin material that extends beyond the door sweep.
3. Using pliers, crimp each end of the tracks to prevent the sweep fins from coming out of the tracks.
4. Position the door sweep so that it is centered across the width of the door frame and pushed up against the bottom of the door.
5. Do not install the screws at this time.

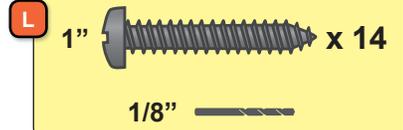
4

INSTALL HINGED STORM DOOR IN OPENING (Left Hand)

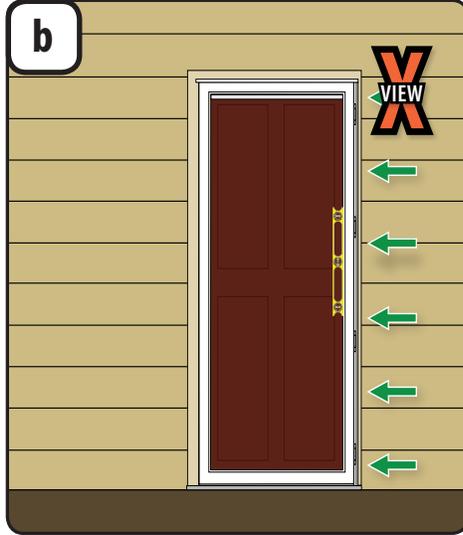
Tools needed:



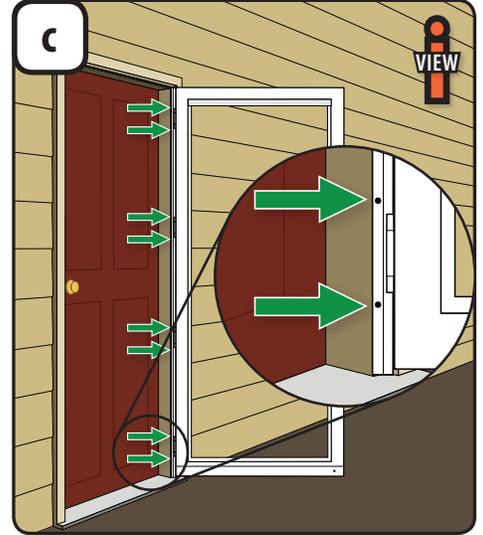
YELLOW BAG // BOLSA AMARILLA // SAC JAUNE



1. Set the door frame on the entry sill so the hinge rail is tight against the mounting surface or hinge rail shim (I).
2. While holding door in position, mark onto the mounting surface the location of the top-most pre-drilled hole in the hinge rail. Once marked, remove door from opening and set aside.
3. Using the 1/8" drill bit, drill a hole in the mounting surface where you placed the mark.



1. Reposition the door in the opening and align the pre-drilled hole in the hinge rail with the hole that you drilled in the mounting surface. Fasten the door to the mounting surface using one #8 x 1" screw from the yellow bag.
2. Using the level, make sure that the door is plumb. While holding door in position, use the 1/8" drill bit to drill holes in the mounting surface through the pre-drilled holes in the hinge rail.
3. Fasten the hinge rail to the mounting surface using screws from the yellow bag.

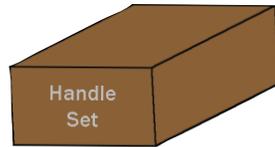


1. Open the storm door.
2. Pre-drill and fasten the hinge rail to the door jamb using 1" screws from the yellow bag.

5

INSTALL HANDLE SET (Left Hand)

Tools needed:



1-1/2"



x 1

1-1/2"

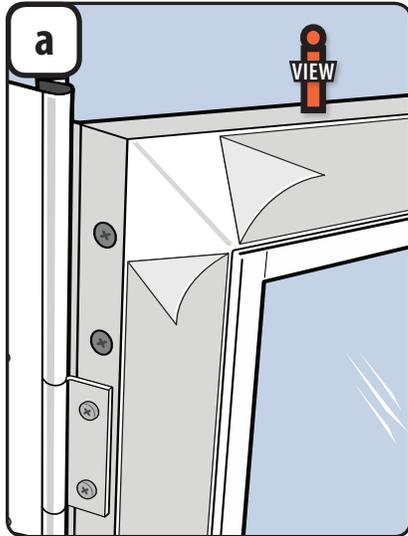


x 2

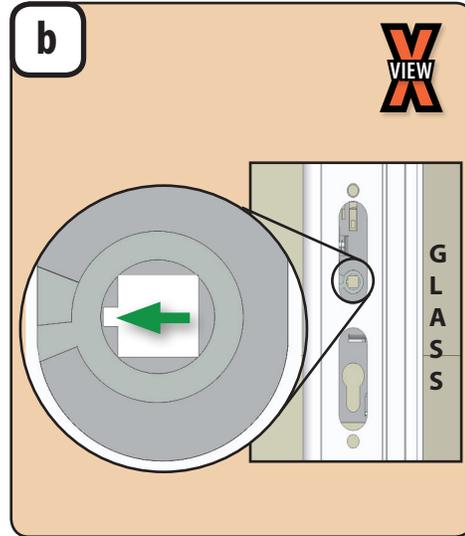
5/8"



x 1

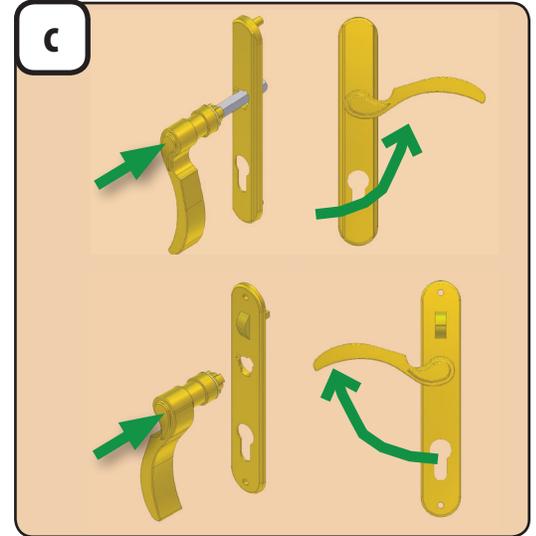


- If applicable,
1. Remove all remaining protective film from both the interior and exterior sides of the door.

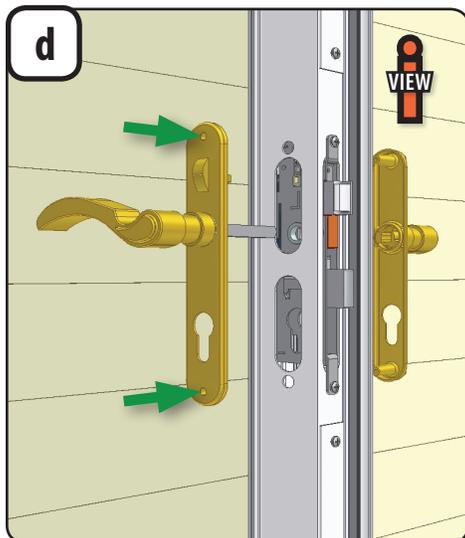


1. Look into handle holes on door to make sure lock case is oriented properly. The notch in the square spindle hole should be facing away from the glass panel.

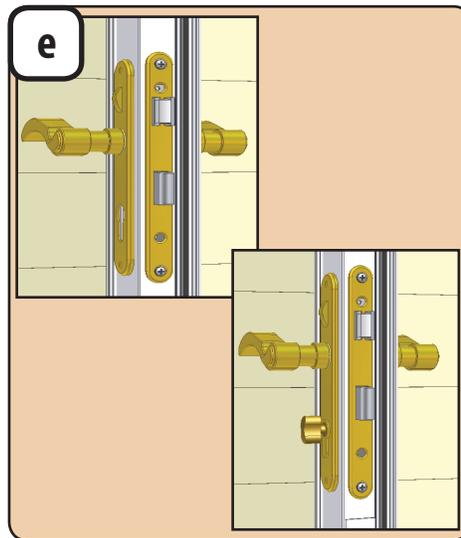
TIP: If the notch is not facing away from the glass panel, use the handle and spindle to rotate the spindle hole into the correct orientation



1. Insert handle into outside trim plate (with Andersen logo) with lever pointing down and rotate handle to secure it.
2. Repeat for other handle and inside trim plate (with slider).



1. With handle levers held horizontal, install both handle assemblies onto the door. The spindle will pass through the square hole in the lock case and into the other handle. Attach trim plates together using two #8 x 1 1/2" screws.



1. Install lock case trim plate onto lock case and fasten with one #10 x 5/8" screw. Do not overtighten.
2. Insert dead bolt key cylinder into lock case and fasten with one #10 x 1 1/2" screw. Do not overtighten.

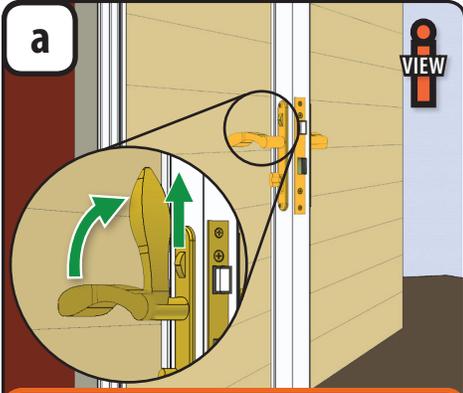
NOTE: This door features an integrated latch receiver in the latch rail, eliminating the need for a traditional, separate strike plate.

You can match your Andersen storm door lock to Schlage® or Kwikset® entry door locks. See handle set instructions contained within handle set box for details.

"Kwikset" is a registered trademark of Newfry LLC. "Schlage" is a registered trademark of Schlage Lock Company.

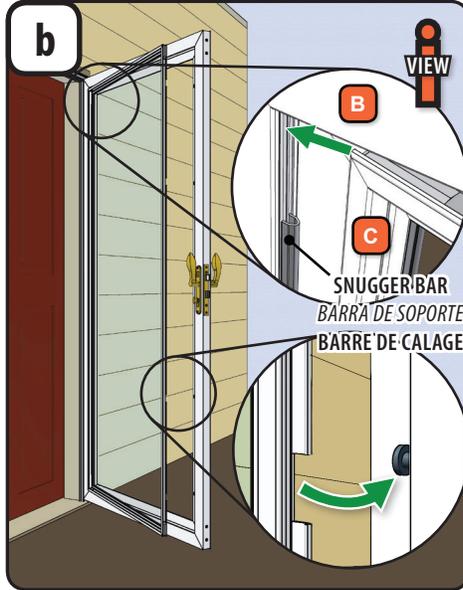
6

INSTALL THE GLASS PANEL INTO DOOR FRAME (Left Hand)

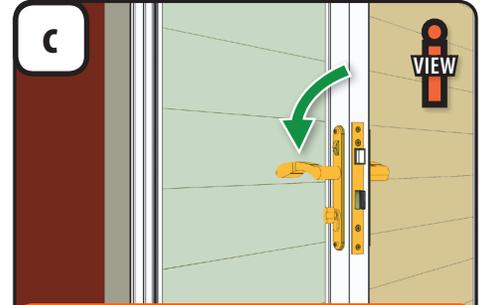


! WARNING
The notches located on backside of handle side of glass panel and insect screen may contain sharp edges. Use caution when handling glass panel and insect screen. Failure to do so may result in injury.

1. Open the door.
2. Push and hold the safety release slide up, then rotate the handle up a 1/4 turn. The handle should now be in a vertical position.



1. Orient the glass panel so the notches face the exterior, on the handle side.
2. Slide the glass panel (C) into the door frame (B) on the hinge side first. The frame of the glass panel should be seated into the snigger bar.
3. Then position the handle side of the glass panel until it is flush with the door frame.

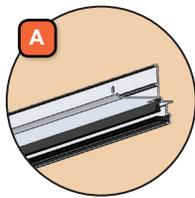


! WARNING
The glass panel/insect screen is secured in door frame by door handle locking mechanism. Once door handle has been rotated up to vertical position, the glass panel/insect screen are no longer secured in door frame. Immediately remove glass panel/insect screen from door frame after releasing locking mechanism. Failure to do so could result in injury and/or product damage.

1. While holding the glass panel in place, rotate the handle down a 1/4 turn to lock the glass panel in door frame.
- TIP:** Ensure glass panel is fully seated in door frame for easy operation.

7

INSTALL RAIN CAP (Left Hand)



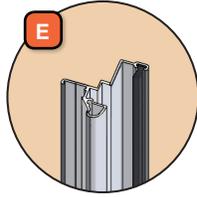
Tools needed:



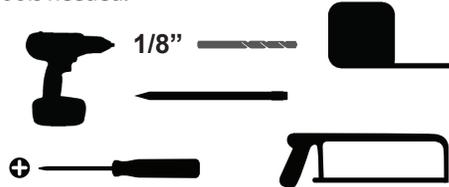
1. Open the storm door. Place the rain cap (A) in the opening so that it rests on top of the hinge rail, aligning the end of the the rain cap with the edge of the hinge rail.
2. Close the storm door. Adjust rain cap to achieve an even gap between the top of the door frame.
3. Using the drill bit and 1" screws from the yellow bag, fasten the rain cap to the mounting surface.

8

CUT AND INSTALL LATCH RAIL (Left Hand)



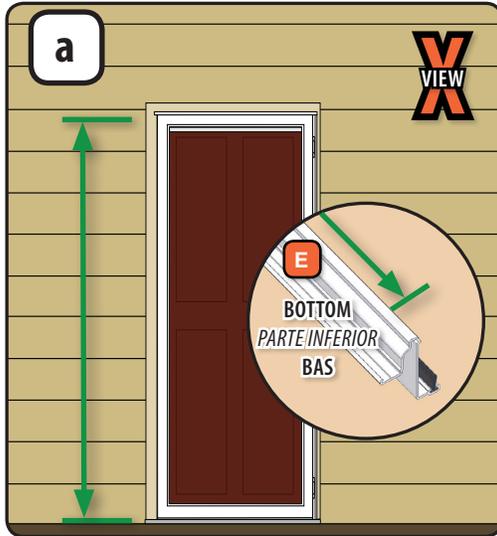
Tools needed:



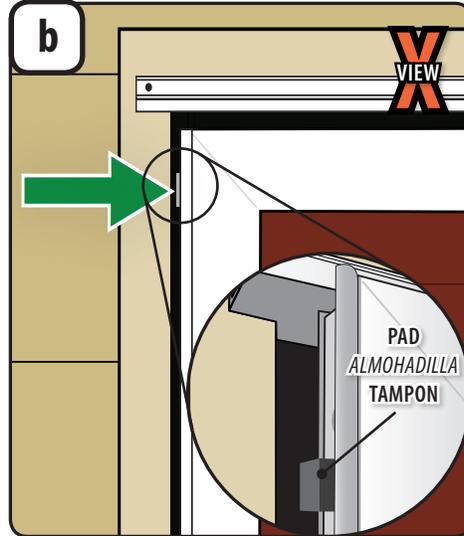
YELLOW BAG // BOLSA AMARILLA // SAC JAUNE



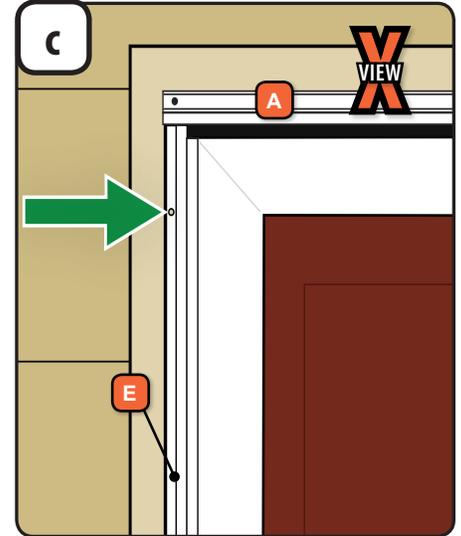
PINK BAG // BOLSA ROSA // SAC ROSE



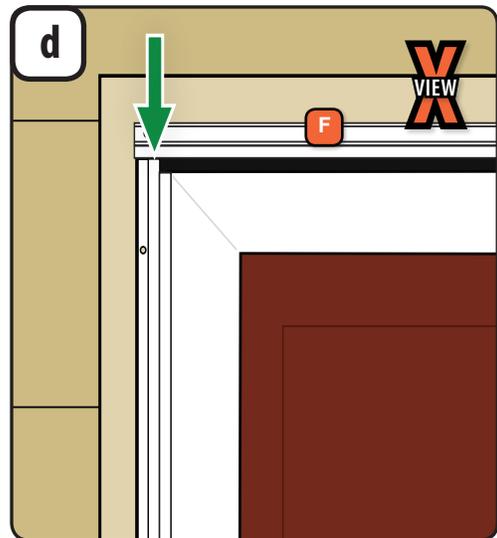
1. Measure the height of the door opening, measuring from the underside of the rain cap to the door sill. You will use this measurement to cut the latch rail to its proper length.
2. Locate the top of the latch rail (E).
3. Measure the latch rail, starting at the top and then marking the bottom with the measurement that you took of the door opening.
4. Using the hacksaw, cut the latch rail to its proper length



1. Find the three 1/2" square adhesive backed spacer pads in the pink bag.
2. Swing the door open and wipe off any residue on the edge of the door frame.
3. Peel the paper backer off each pad and attach them to the latch side door edge. Position around 6" from the top and bottom of the door, and the third near the center. The spacers should be placed against the lip towards the interior of the door frame.



1. Place the latch rail (E) in the opening with the top end pushed up against the rain cap.
2. Close the storm door and slide the latch rail towards the door frame until it contacts all three spacer pads, creating a 3/16" gap.
3. Using the drill bit and 1" screws from the yellow bag, fasten the latch rail to the mounting surface.
4. Open the storm door and remove the spacer pads and properly discard.



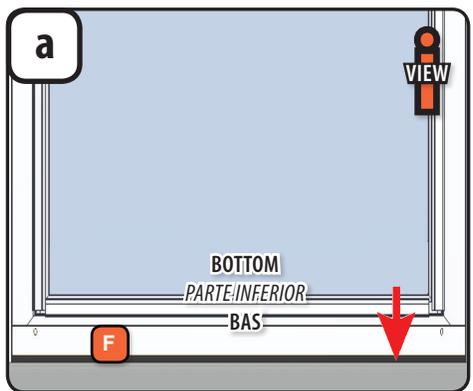
1. Locate the hole on each end of the curved leg of the rain cap (A).
2. Install the 2 plugs from the pink bag, into these holes from the top.

9

ADJUST SWEEP (Left Hand) (If necessary)

Tools needed:

YELLOW BAG // BOLSA AMARILLA // SAC JAUNE



1. Close the storm door.
2. From interior, adjust sweep (F) up or down until sweep fin lightly comes into contact with door sill.
3. Using a drill and the 1/8" drill bit from the yellow bag, drill two holes in the center of the pre-punched slots in sweep.
4. Fasten the sweep to the door using two 1/2" color-matched screws located in the yellow bag, in the installation kit.

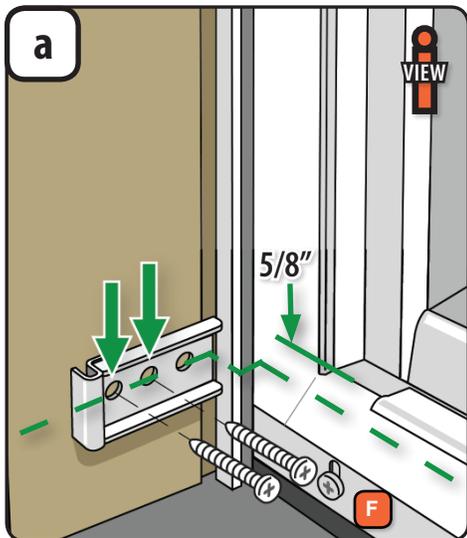
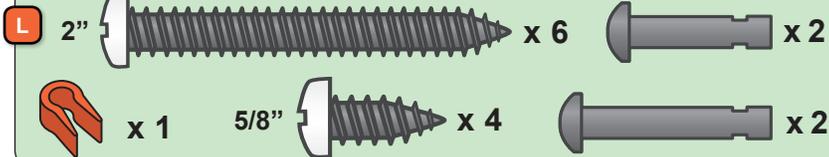
10

INSTALL CLOSERS (Left Hand)

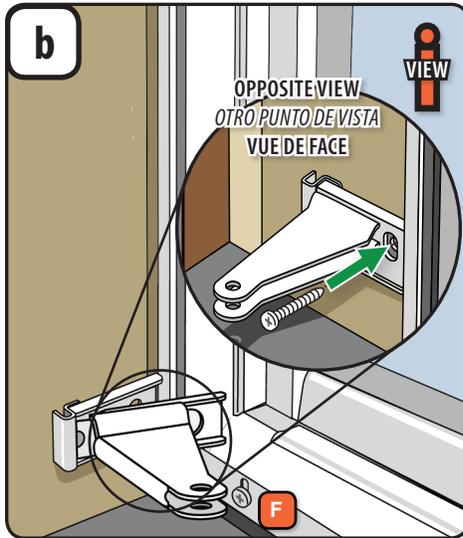
Tools needed:



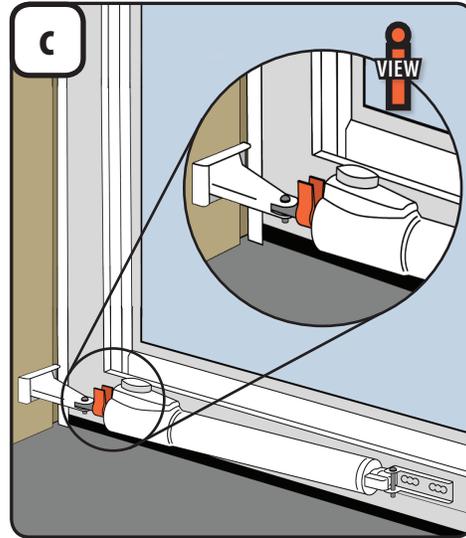
GREEN BAG // BOLSA VERDE // SAC VERT



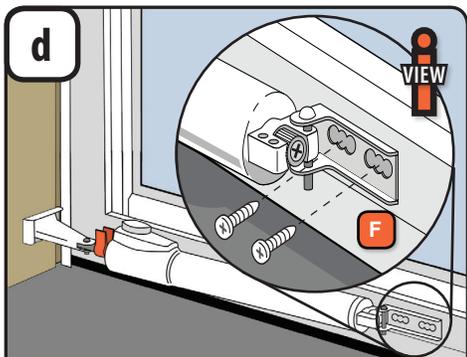
1. Position base from installation kit onto door jamb by touching front of base to back of hinge rail (or as close as possible), and align bottom of base with top of sweep (F). Mark the hole locations on door jamb.
2. Drill holes in door jamb at the marked locations.
3. Attach the base to door jamb with two 2" screws from installation kit into the two holes closest to the interior of the house.



1. Attach the arm from the installation kit to the base by inserting the tabs on the arm into the slots in the base. Fasten with a 2" screw from the installation kit.



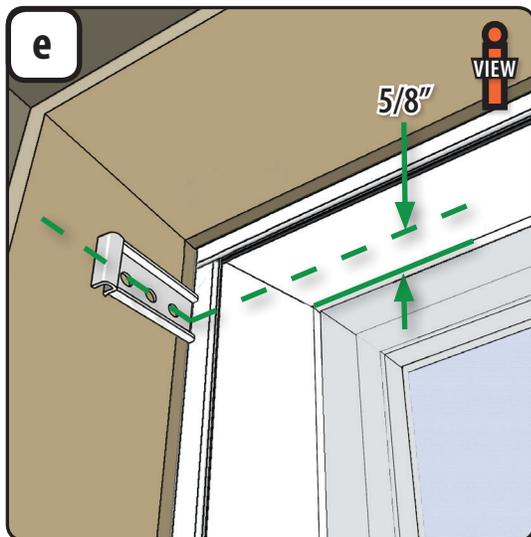
1. Pin the closer in place using the short pin in the jamb bracket and the long pin in the door bracket.
2. Pull on the closer so the rod extends slightly. Snap the orange preload clip from the installation kit over the rod. The clip should be pinched tight between the closer cylinder body and the jamb bracket.



CAUTION

Do not drill completely through door. This will create an unnecessary hole in the door and may cause water and air infiltration.

1. Close the storm door. Swing the closer assembly over until the door bracket is resting against the door frame and is level. Mark hole locations through the center of the door bracket slots onto the door frame.
2. Using the 5/32" drill bit, drill holes and attach the closer door bracket to the door frame through the two pre-drilled holes using two 5/8" screws from the green bag.
3. Remove orange preload clip and properly discard.



1. Repeat steps a-d to install top closer 5/8" above window opening.

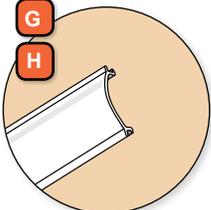
11 FILE EDGE SEAL (Left Hand)

Tools needed:

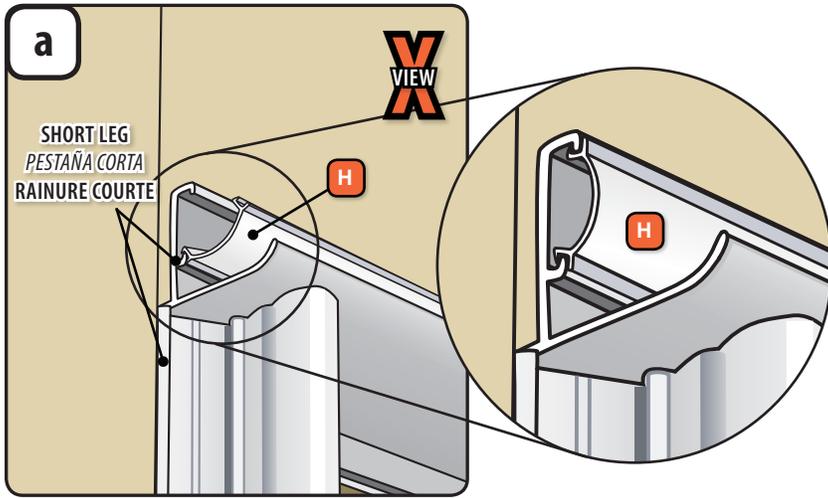
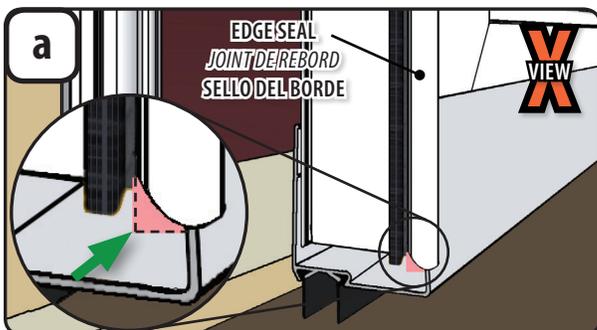


12 INSTALL SCREW COVERS (Left Hand)

Tools needed:

WARNING
 Generously round the bottom corner of the edge seal with a metal file to avoid sharp edges. Failure to round the bottom corners may cause an injury.



1. File the bottom corner of the edge seal until it's smooth.

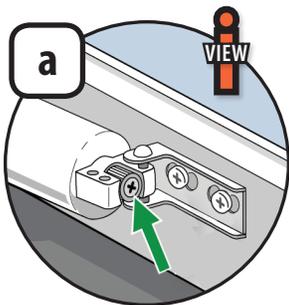
1. Lock leg of screw cover (H) into short leg of rain cap screw track. Press on other leg to snap it into long leg of track. Make sure screw cover snaps into screw track along the entire length of the rain cap.
2. Repeat this process with remaining side screw covers.
3. Using scissors, trim off any excess that may remain.

13 ADJUST CLOSING SPEED OF DOOR

Tools needed: 

Closer and door shown are for reference only.

WARNING
 Storm door will close more quickly when entry door is open. To achieve the proper closing speed, you will need to adjust the closer(s) using the built-in adjustment screw. Check for safe closing speed with your entry door in both the closed and the open position. To prevent injury, make sure people and/or pets are completely through the opening before allowing the storm door to shut freely.



1. Open the door and then let it close. Note the speed at which the door closes.
2. Using a Phillips head screwdriver to adjust the closer to the desired speed:
 For a faster closing speed, turn the adjustment screw to the left (counterclockwise).
 For a slower closing speed, turn the adjustment screw to the right (clockwise).
3. Test the speed at which the door closes after each adjustment. Adjust the screw more, if needed, to achieve the desired door closing speed.

CLEANING INSTRUCTIONS

WINDOW GLASS – The glass may be cleaned with any household glass cleaner. Keep glass cleaners away from all other components.

PLASTIC PARTS – Plastic door components may be cleaned by using a mild soap and water mixture and by gently rubbing the affected area. Do not use harsh abrasives or any product that contains chlorine.

ALUMINUM PARTS – Aluminum parts on the door may be cleaned by using a mild soap and water mixture and by gently rubbing the affected area. Mineral spirits may be used and will not harm the paint. This will remove many items such as glue residue. Do not use harsh abrasives or any product that contains chlorine.

HANDLE COMPONENTS – **BRASS and NICKEL** handles and components may be cleaned by wiping them down periodically with a wet or dry cloth. **OIL RUBBED BRONZE** handles and components have a “living finish” and no protective coating. With frequent handling and use, the natural oils from your hands will polish away the dark outer finish to expose the bronze beneath, often resulting in a two-tone appearance. They may be cleaned by wiping them down periodically with a wet or dry cloth. **PAINTED** handles and components may be cleaned by using a mild soap and water mixture and by gently rubbing the affected area. Do not use harsh abrasives or any product that contains chlorine.

SWEEPS – Sweeps may be cleaned with a mild solution of soap and water. Do not use harsh abrasives or any product that contains chlorine.

BRASS/NICKEL GLASS CLEANING – Brass and Nickel components may be cleaned with good quality cleaner; such as Brasso®.

LIMITED WARRANTIES

PRODUCT LIMITED WARRANTY

DOOR FRAME: EMCO Enterprises, Inc. (EMCO) warrants the door frame, hinges, and painted finish on Andersen® aluminum storm door products to be free from defects in manufacturing, materials, paint adhesion, or workmanship, under normal use, for as long as the original consumer purchaser owns the home in which the door was initially installed.

COMPONENTS: EMCO warrants the non-glass and non-insect screen fabric components of Andersen® storm doors (including brass and nickel hardware finish and the mechanical functions of balancers, locksets, closers, windows and insect screens) to be free from defects in manufacturing, materials and workmanship for a period of five (5) years from the date of original retail purchase or for as long as the original consumer purchaser owns the home in which the door was initially installed, whichever is shorter. Insulated glass is also warranted for a period of five (5) years not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or hermetic seal.

In the event a door frame, hinges, insulated glass or a component fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period specified above, and upon written proof of purchase, EMCO, at its option, will provide a replacement door frame, hinge, insulated glass unit and/or components without charge – installation is not included. Such replacement or repair is warranted for the remainder of the original limited warranty period. Please locate the door serial number and written proof of purchase and contact EMCO Consumer Support at 1-800-933-3626. Warranty claims made one (1) year after purchase are subject to a flat processing fee.

“OOPS-PROOF” INSTALLATION LIMITED WARRANTY

EMCO Enterprises, Inc. (EMCO) warrants that any part lost or mis-cut during the original installation of your Andersen storm door will be repaired or replaced at no additional charge within ninety (90) days of the date of original purchase. This limited warranty will not apply if the part has been misused, abused or altered. Cutting parts not specified by the installation guide or mis-drilled parts are not included in this warranty.

In the event a part is lost or mis-cut within the limited warranty period, EMCO, at its option, will provide the appropriate replacement part – installation is not included. Please locate the door serial number and written proof of purchase and contact EMCO Consumer Support at 1-800-933-3626.

GENERAL LIMITED WARRANTY INFORMATION

The limited warranties set forth in this document are the only express warranties (whether written or oral) applicable to Andersen® storm doors, and no one is authorized to modify or expand these limited warranties. All warranty claims must be made during the applicable warranty periods.

ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE STATUTE OF LIMITATION, BUT IN NO CASE WILL EXTEND BEYOND THE TERM OF THE LIMITED WARRANTIES SET FORTH ABOVE. EMCO EXCLUDES AND WILL NOT PAY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF CONTRACT, TORT OR OTHERWISE, AND ITS LIABILITY WILL IN ALL INSTANCES BE LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT.

Some states do not allow the exclusion of incidental and consequential damages, or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights that may vary from state to state and in Canada.

What is NOT covered by this limited warranty: damage caused by 1) improper installation, maintenance, or use; 2) chemicals or airborne pollutants, such as salt or acid rain; 3) acts of God, including wind damage; 4) products not manufactured by EMCO

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Online Parts and Knowledge Store

Andersen is committed to helping you find parts quickly and easily for your Andersen® or EMCO® storm door. Use the site below and your serial number to find many of the most-common replacement parts for your storm door.

This site also includes the Andersen Storm Door Learning Center. Whether you are trying to find other Andersen® or EMCO® products or you are looking for replacement part installation guides, or other care and maintenance topics and tips, this is a great place to start.

parts.andersenstormdoors.com